WHAT IS CLAIMED IS:

1. A communication device comprising:

first connection means for making a connection to a computer network;

second connection means for making a connection to a public switched telephone network;

post office designation means for designating a post office form a plurality of post offices provided for respective e-mail users, the plurality of post offices being provided in an e-mail server connected to the computer network;

e-mail reception means for receiving, from the e-mail server, e-mail data stored in the designated post office;

conversion means for converting the received e-mail data into facsimile image data; and

transmission means for transmitting the facsimile image data to a desired destination.

2. A communication device according to Claim 1, further comprising means for receiving a remote operation command via the public switched network, wherein the command identifies a post office in the e-mail server and commands said communication device to transfer e-mail

stored in the identified post office.

3. A communication device according to Claim 2, wherein the command includes user identification data and password data, and wherein if the e-mail server includes a post office corresponding to the user identification data and if the password data is coincident with password data assigned to the corresponding post office, then e-mail stored in the corresponding post office is received from the corresponding post-office.

4. A communication device according to Claim 2, wherein the command includes destination data indicating the desired destination.

5. A communication device according to Claim 2, wherein when the command does not include destination data indicating the desired destination, the desired destination is a predetermined destination.

6. A communication device according to Claim 2, wherein when the facsimile image data is ready for transmission, if the connection to the public switched telephone network is currently maintained without being disconnected, said transmission means transmit via the

public switched telephone network using the connection, and if the connection to the public switched telephone network is not currently maintained, said transmission means transmits the facsimile image data via the public switched telephone network by automatically making a call to the desired destination.

7. A communication device according to Claim 2, further comprising means for receiving information identifying a caller from the public switched telephone network, wherein if the command does not include destination data indicating the desired destination, said transmission means transmits the facsimile image data to a destination indicated by the information identifying the caller.

8. A communication device according to Claim 2, wherein if the command includes information specifying a mode in which the e-mail data is to be received from the designated post office, the e-mail data is received from the designated post office in the specified mode.

9. A communication device according to Claim 8, wherein if the command does not include information specifying a mode in which the e-mail data is to be

received from the designated post office, the e-mail data is received from the designated post office in a predetermined mode.

10. A communication device according to Claim 1, further comprising informing means for, when access is made to the designated post office and there is no new e-mail in the designated post office, sending a message to the desired destination that there is no new e-mail.

11. A communication method for a communication device connected to both a computer network and a public switched telephone network, said method comprising the steps of:

receiving a remote operation command via the public switched telephone network;

in response to the command, designating a post office from a plurality of post offices provided for respective e-mail users, the plurality of post offices being provided in an e-mail server connected to the computer network;

receiving, from the e-mail server, e-mail data stored in the designated post office;

converting the received e-mail data into facsimile image data; and

transmitting the facsimile image data to a desired destination by facsimile communication.

12. A communication method according to Claim 11, wherein the command includes user identification data and password data, and wherein, if the e-mail server includes a post office corresponding to the user identification data and if the password data is coincident with password data assigned to the corresponding post office, then e-mail stored in the corresponding post office is received from the corresponding post-office.

13. A communication method according to Claim 11, wherein the command includes destination data indicating the desired destination.

14. A communication method according to Claim 11, wherein when the command does not include destination data indicating the desired destination, the desired destination is a predetermined destination.

15. A communication method according to Claim 11, wherein when the facsimile image data is ready for transmission, if a connection to the public switched telephone network is currently maintained without being

disconnected, said transmission step transmits the facsimile image data to the desired destination via the public switched telephone network using the connection, and if the connection to the public switched telephone network is not currently maintained, said transmission step transmits the facsimile image data via the public switched telephone network by automatically making a call to the desired destination.

16. A communication method according to Claim 11, further comprising the step of receiving information identifying a caller from the public switched telephone network, wherein if the command does not include destination data indicating the desired destination, said transmission step transmits the facsimile image data to a destination indicated by the information identifying the caller.

17. A communication method according to Claim 11, wherein if the command includes information specifying a mode in which the e-mail data is to be received from the designated post office, the e-mail data is received from the designated post office in the specified mode.

18. A communication method according to Claim 17,

wherein if the command does not include information
specifying a mode in which the e-mail data is to be
received from the designated post office, the e-mail data
is received from the designated post office in a
predetermined mode.

19. A communication method according to Claim 11,
further comprising an informing step of, when access is
made to the designated post office and there is no new e-
mail in the designated post office, sending a message to
the desired destination that there is no new e-mail.

20. A computer-readable storage medium storing a
computer program containing routines executable as a
method by a computer in a communication device connected
to both a computer network and a public switched
telephone network, said method comprising the steps of:

receiving a remote operation command via the public
switched telephone network;

in response to the command, designating a post
office from a plurality of post offices provided for
respective e-mail users, the plurality of post offices
being provided in an e-mail server connected to the
computer network;

receiving, from the e-mail server, e-mail data

stored in the designated post office;

converting the received e-mail data into facsimile image data; and

transmitting the facsimile image data to a desired destination by facsimile communication.

21. A storage medium according to Claim 20, wherein the command includes user identification data and password data, and wherein, if the e-mail server includes a post office corresponding to the user identification data and if the password data is coincident with password data assigned to the corresponding post office, then e-mail stored in the corresponding post office is received from the corresponding post-office.

22. A storage medium according to Claim 20, wherein the command includes destination data indicating the desired destination.

23. A storage medium according to Claim 20, wherein when the command does not include destination data indicating the desired destination, the desired destination is a predetermined destination.

24. A storage medium according to Claim 20,

wherein when the facsimile image data is ready for transmission, if a connection to the public switched telephone network is currently maintained without being disconnected, said transmission step transmits the facsimile image data to the desired destination via the public switched telephone network using the connection, and if the connection to the public switched telephone network is not currently maintained, said transmission step transmits the facsimile image data via the public switched telephone network by automatically making a call to the desired destination.

25. A storage medium according to Claim 20, wherein said method further comprises the step of receiving information identifying a caller from the public switched telephone network, wherein if the command does not include destination data indicating the desired destination, said transmission step transmits the facsimile image data to a destination indicated by the information identifying the caller.

26. A storage medium according to Claim 20, wherein if the command includes information specifying a mode in which the e-mail data is to be received from the designated post office, the e-mail data is received from

the designated post office in the specified mode.

27. A storage medium according to Claim 26, wherein if the command does not include information specifying a mode in which the e-mail data is to be received from the designated post office, the e-mail data is received from the designated post office in a predetermined mode.

28. A storage medium according to Claim 20, wherein said method further comprises an informing step of, when access is made to the designated post office and there is no new e-mail in the designated post office, sending a message to the desired destination that there is no new e-mail.